

## Abstract of the Disclosure

5 The present invention relates to an apparatus and a method for partially transmitting high-resolution and high-volume JPEG (Joint Photographic Experts Group) image data as well as a computer-based recording medium for recording the program to embody the method; and, more particularly, to an apparatus and a method for transmitting the images not by sending the entire data but part of them needed for display only in image data transmission, thus reducing the amount of transmission and shortening waiting time. And to secure the QoS (Quality of Service), the method for partially transmitting image data on a network comprises the steps of; when a server registers an image in its DB, converging the image file to a partial-region-accessible file and storing it and generating information needed for generating partial-region image, which is offset & partial region access information; when a client requests partial region image, the server accesses the corresponding image file, which is stored, based on the offset & partial region access information; and transmitting the generated partial region image to the client.